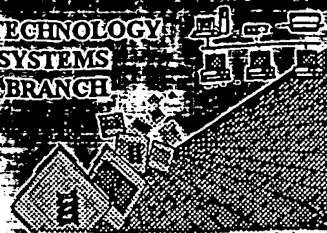


# RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/089171 B

Source:

FW16

Date Processed by STIC:

5/6/5

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents; P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

# Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _____
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or Artificial Sequence.	
11 _____ Use of <220>	Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.	



IFW16

## RAW SEQUENCE LISTING

DATE: 05/06/2005

PATENT APPLICATION: US/10/039,171B

TIME: 13:59:56

Input Set : D:\UTSD749.APP.txt

Output Set: N:\CRF4\05052005\J039171B.raw

3 <110> APPLICANT: HALEY, ROBERT  
 4 VARLEY, ALAN  
 5 MUNFORD, ROBERT  
 7 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND  
 8 TREATMENT OF ORGANOPHOSPHATE TOXICITY  
 10 <130> FILE REFERENCE: UTSD:749US  
 12 <140> CURRENT APPLICATION NUMBER: 10/039,171B  
 13 <141> CURRENT FILING DATE: 2002-01-03  
 15 <160> NUMBER OF SEQ ID NOS: 5  
 17 <170> SOFTWARE: PatentIn Ver. 2.1  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 36  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Artificial Sequence  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 26 Primer  
 28 <400> SEQUENCE: 1  
 29 gcggccgcgcatt ggcgaagctg attgcgctca ccctct 36  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 36  
 34 <212> TYPE: DNA  
 35 <213> ORGANISM: Artificial Sequence  
 37 <220> FEATURE:  
 38 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 39 Primer  
 41 <400> SEQUENCE: 2  
 42 tctagattag agctcacagt aaagagcttt gtgaaa 36  
 45 <210> SEQ ID NO: 3  
 46 <211> LENGTH: 22  
 47 <212> TYPE: DNA  
 48 <213> ORGANISM: Artificial Sequence  
 W--> 50 <220> ~~FEATURE:~~  
 W--> 50 <223> OTHER INFORMATION:  
 W--> 50 <400> 3  
 51 tattgttgct gtgggacctg ag  
 54 <210> SEQ ID NO: 4  
 55 <211> LENGTH: 23  
 56 <212> TYPE: DNA  
 57 <213> ORGANISM: Artificial Sequence  
 59 <220> FEATURE:  
 60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 61 Primer

Does Not Comply  
Corrected Diskette Needed

(P.1)

INVALID RESPONSE. MANDATORY (223)  
PLEASE EXPLAIN SOURCE OF GENETIC  
SEE ITEM# 11 MATERIAL.

## RAW SEQUENCE LISTING

DATE: 05/06/2005

PATENT APPLICATION: US/10/039,171B

TIME: 13:59:56

Input Set : D:\UTSD749.APP.txt

Output Set: N:\CRF4\05052005\J039171B.raw

63 <400> SEQUENCE: 4  
64 cacgctaaac ccaaatacat ctc 23  
67 <210> SEQ ID NO: 5  
68 <211> LENGTH: 23  
69 <212> TYPE: DNA  
70 <213> ORGANISM: Artificial Sequence  
72 <220> FEATURE:  
73 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
74 Primer  
76 <400> SEQUENCE: 5  
77 acccctactt acaatcctgg gag 23

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/06/2005  
PATENT APPLICATION:    US/10/039,171B      TIME: 13:59:57

Input Set : D:\UTSD749.APP.txt  
Output Set: N:\CRF4\05052005\J039171B.raw

Use of <220> Feature(NEW RULES):

Sequence(s) \_\_ are missing the <220> Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"  
or "Unknown". Please explain source of genetic material in <220> to <223>  
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)  
(Sec.1.823 of new Rules)

Seq#:3

**VERIFICATION SUMMARY**

DATE: 05/06/2005

PATENT APPLICATION: US/10/039,171B

TIME: 13:59:57

Input Set : D:\UTSD749.APP.txt

Output Set: N:\CRF4\05052005\J039171B.raw

L:50 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>  
ORGANISM:Artificial Sequence

L:50 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>  
ORGANISM:Artificial Sequence

L:50 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:50